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USER MANUAL

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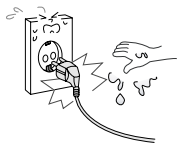
Power Supply

Warnings

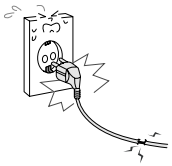
Do not touch the power plug with wet hands.

- Doing so may result in electric shock.



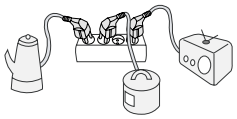
Do not use a damaged power cord or plug or a loose outlet.

- Doing so may result in fire or electric shock.



Do not plug several devices into the same outlet.

- Doing so may cause the outlet to overheat and start a fire.

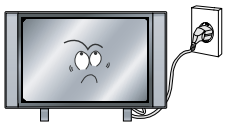


Insert the power plug fully into the outlet.

- A loose or improperly inserted power plug may result in fire.

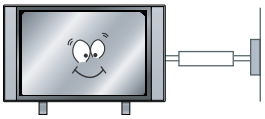
Do not bend the power cord excessively or place heavy objects on it.

- Doing so may result in fire or electric shock.



Be sure to ground the unit.

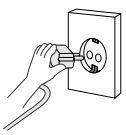
- Failing to do so may lead to electric shock when a short circuit or overload occurs. If necessary, install a ground fault circuit breaker. Never ground to a telephone line, lightning rod, or metal gas pipe. (Doing so may result in fire, electric shock, or other hazards.)



Cautions

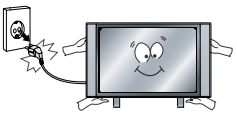
When disconnecting the power cord from an AC outlet, always grasp it by the plug.

- Pulling on the cord can damage the internal wire and may result in fire.



Always unplug the unit before cleaning.

- Not doing so may result in fire or electric shock.



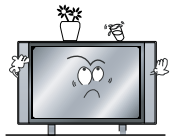
The purpose of these precautions is to ensure user safety and prevent property damage.
Be sure to read and observe all safety precautions.

Installation

Warnings

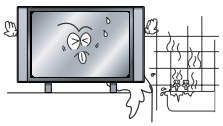
Do not place containers with liquids such as flower vases, soft drink cans, or medicine bottles or small metallic objects on top of the unit.

- If liquid enters the unit or any metal object falls into the unit, it may result in short-circuit, fire, or electric shock.



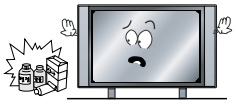
Do not place the unit where it is exposed to rain, excessive moisture or grease.

- Doing so may result in fire, electric shock, malfunction, or deformation.



Do not use or store flamm able or combustible materials near the unit.

- Doing so may result in fire or explosion.

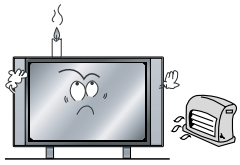


Do not place the unit on an unstable surface, such as a wobbly stand or sloped table, or on any surface whose area is smaller than the bottom area of the unit.

- If a child climbs on the unit, it could topple and fall onto the child, resulting in serious injury to the child or damage to the unit. Place the unit on a flat stable surface.

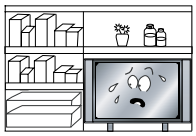
Do not place a burning candle, burning anti-mosquito incense, or lighted cigarette on top of the unit. Do not place the unit near any heat source such as a fireplace or space heater.

- Doing so poses a serious risk of fire.



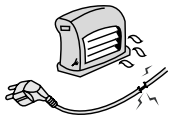
Do not place the unit in a poorly ventilated enclosure, such as a cabinet.

- Doing so poses a serious risk of fire.



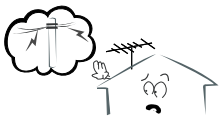
Do not run power cords near heat-producing appliances such as radiators, stoves, or irons.

- The excessive heat could melt the insulation and expose live wires, resulting in fire or electric shock.



Install the antenna away from high-voltage power lines and communication cables and make sure it is installed securely.

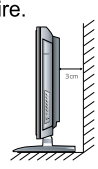
- If the antenna touches a power line, contact with the antenna could result in fire, electric shock, serious injury, or death.



Cautions

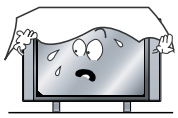
Install the unit at an adequate distance from the wall to ensure sufficient ventilation.

- If the temperature inside the unit rises, it may resultin fire.



Do not cover the unit with a tablecloth, curtain, or other material.

- If the temperature inside the unit rises, it may result in fire.

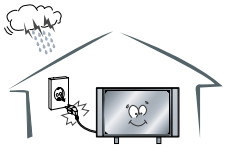


Be sure to place the unit on a level surface.

⚠ Warnings

Form a drip loop where the coaxial antenna cable enters your building to prevent rainwater from traveling along the cable and coming in contact with the antenna input terminal.

- If rainwater finds its way inside the unit, it may result in fire or electric shock.



● The following precautions are divided into "Warnings" and "Cautions".

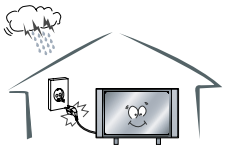
⚠ Warning : Ignoring this precaution may result in death or serious injury.
⚠ Caution : Ignoring this precaution may result in injury or property damage.

Use and Maintenance

Warnings

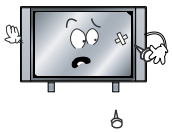
Disconnect the power cord from the wall outlet during an electrical storm.

- Not doing so may result in fire or electric shock.



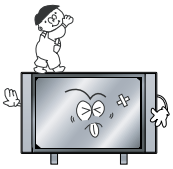
Do not insert any metal objects, such as a screwdriver, paper clip, or bent wire into the ventilation openings or A/V terminals.

- Doing so poses a serious risk of fire or electric shock.



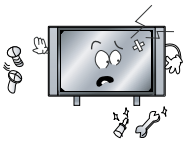
Do not allow children to climb or hang on the unit.

- The unit could topple over onto a child and result in serious injury.



Never disassemble or modify the unit in any way. Do not attempt to service the unit yourself.

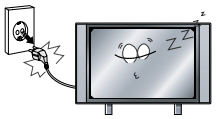
- Doing so may result in fire or electric shock. If the unit requires repair, contact the service center.



Cautions

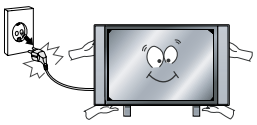
When not using the unit for long periods of time, disconnect the power cord from the wall outlet.

- Dust could accumulate over time on the unit and cause it to generate heat and ignite, or deteriorate insulation, which in turn may result in an electrical fire.



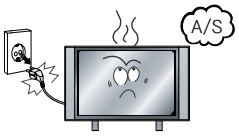
When moving the unit, be sure to turn off the unit and unplug the power cord from the wall outlet.

- Moving the unit with the power cord connected to the outlet may cause damage to the cord, resulting in fire or electric shock.



If you notice any unusual odors or smoke around the unit, immediately disconnect the unit from the outlet and contact the service center.

- Failure to do so may result in fire or electric shock.



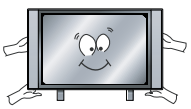
⚠ Warnings

When removing the batteries from the remote control, make sure children do not swallow them. Keep the batteries out of the reach of infants and children.

- If a child has swallowed a battery, seek medical attention immediately.

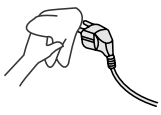
Always use two or more people to lift or move the unit.

- If the unit is dropped, it could be damaged or otherwise cause injury.



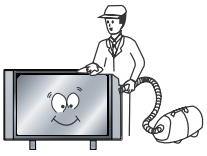
Wipe off any moisture, dirt, or dust on the power plug pins with a clean dry cloth.

- Failure to do so may result in fire or electric shock.



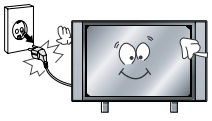
It is advisable to clean the interior of the unit at least once a year. Contact the store of purchase or service center for information.

- Continuing to use the unit without cleaning off the dust build-up inside it may result in fire or electric shock.



Always turn off the unit and unplug the power cord when cleaning the unit. Use a soft dry cloth to clean the unit.

- Never clean with industrial strength polish, wax, benzene, paint thinner, air freshener, lubricant, detergent, or other such chemicals. Also, do not clean with a damp cloth.



Important Safety Instructions

Warnings and Precautions

To prevent any injuries, the following safety precautions should be observed in the installation, use, servicing and maintenance of this equipment.

Before operating this equipment, please read this manual completely, and keep it nearby for future reference.

1) Read these instructions.

2) Keep these instructions.

3) Heed all warnings.

4) Follow all instructions.

5) Do not use this apparatus near water.

6) Clean only with a dry cloth.

7) Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.

8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9) Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11) Only use the attachments/accessories specified by the manufacturer.

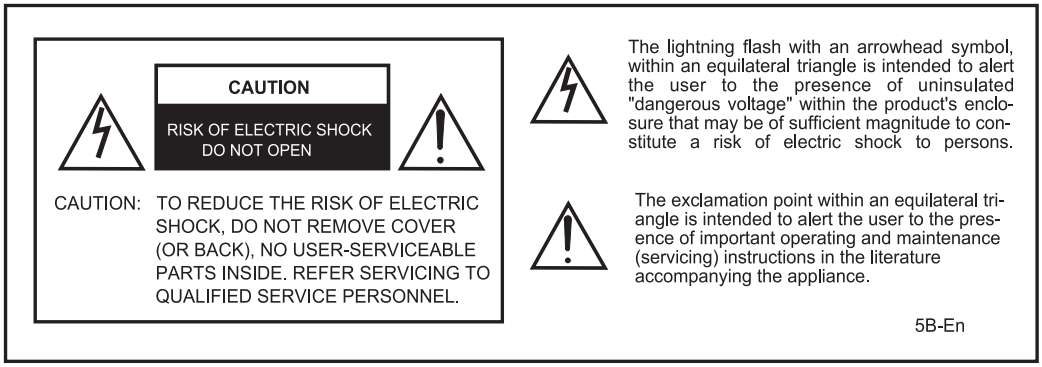
12) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

Important Safety Instructions

13) Unplug this apparatus during lightning storms or when unused for long periods of time.

14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

• Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK), NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
The lightning flash with an arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.
5B-En

Apparatus with Class I construction shall be connected to a Mains socket outlet with a protective earthing connection.

WARNING

TO PREVENT DAMAGE WHICH MAY RESULT IN FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

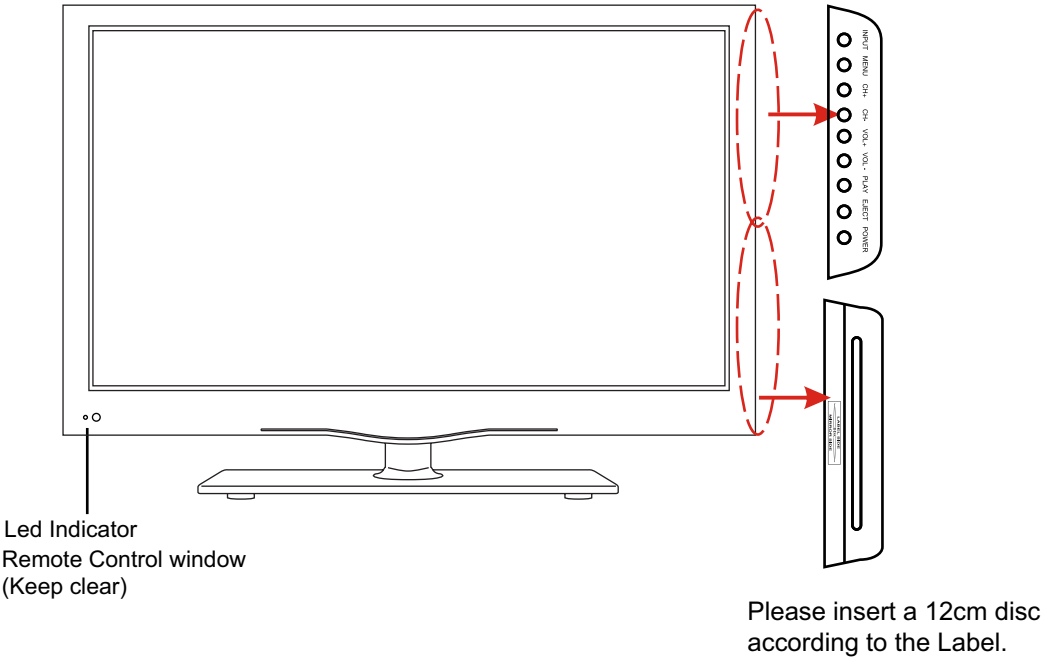
Caution :

- These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Names of each part

Front View


INPUT MENU CH+ CH- VOL+ VOL- PLAY EJECT POWER
Led Indicator
Remote Control window
(Keep clear)
Please insert a 12cm disc
according to the Label.

INPUT: Press to display the input source menu(see page 11).

MENU : Press to display the OSD menu, Press again to exit the menu

CH +/-: Press to skip through the channels.

VOL +/-: Press to adjust the volume.

Power : Turn on/standby the TV set.

PLAY: Play / Pause the disc playing.

EJECT: Eject the disc.

- The configuration of the components may look different from the following illustration.

User's Guide

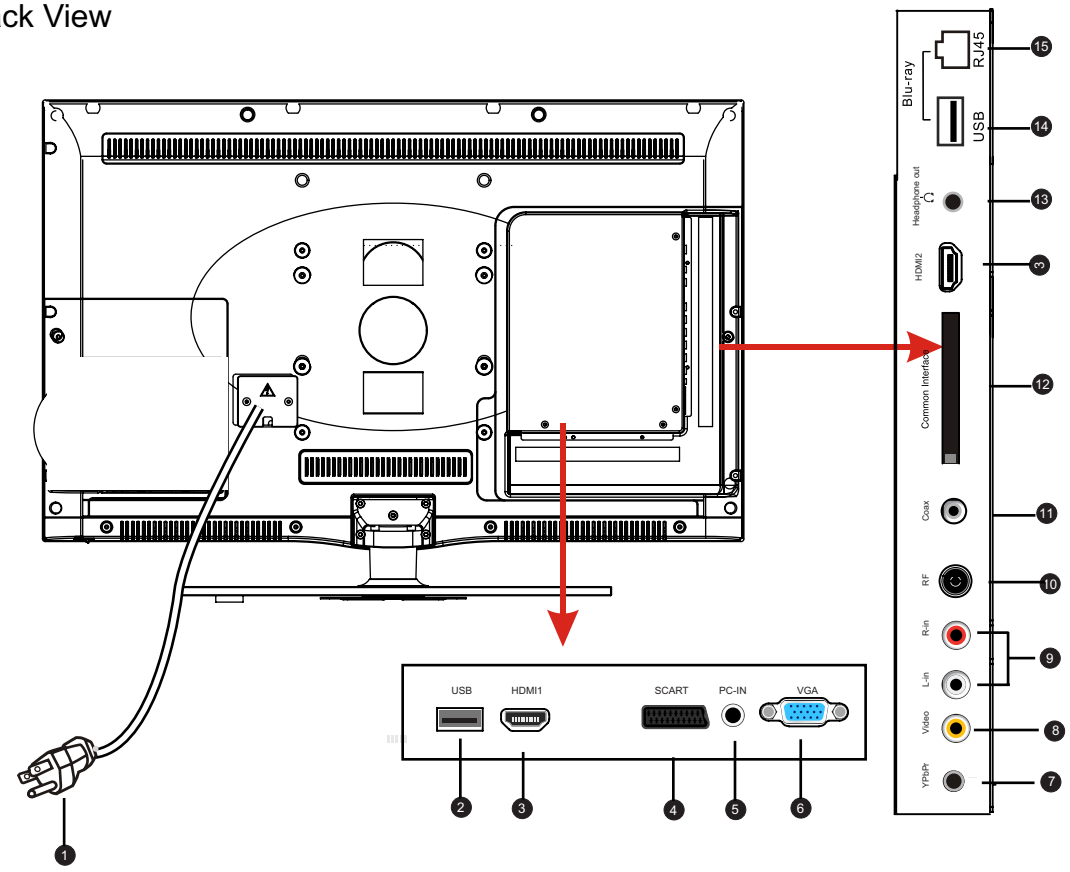
Power Cable

Remote Control

Converter cable
for YPBPR video

Names of each part

Back View



❶ AC POWER	❻ VGA	⓫ Coax out
❷ USB	❼ YPbPr	⓬ Common Interface
❸ HDMI1/2	❽ Video	⓭ Headphone out
❹ SCART	❾ L/R audio in	⓮ USB
❺ PC AUDIO IN	❿ RF	⓯ RJ45

⓮. Connect USB device

A USB device provides an additional memory to enjoy software updates、 BD-Live bonus content and for media play.

Connect the USB device to the USB jack on this product.

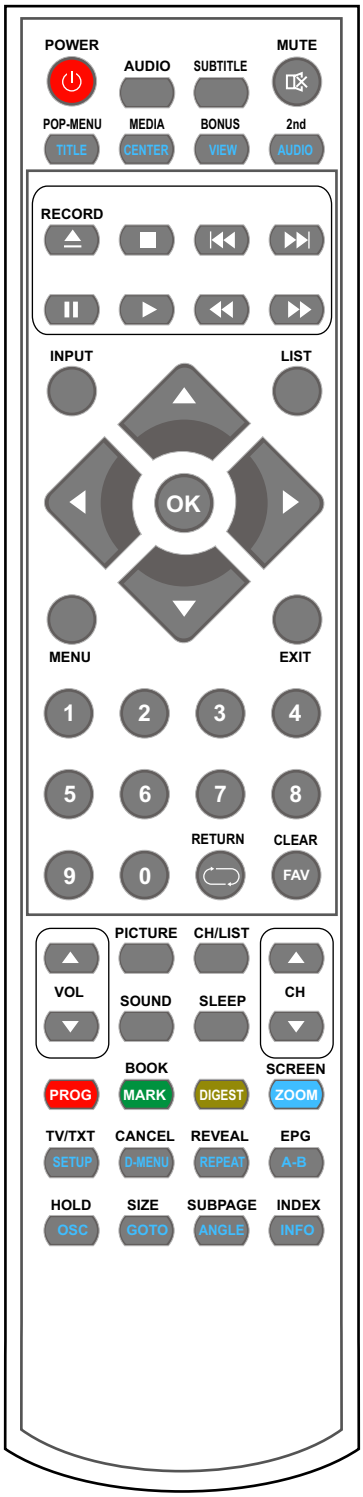
Note

- Connect a USB device only to the USB jack on this product.
- We does not guarantee 100% compatibility with all USB devices.
- If use USB device to play media. Please press MEDIA CENTER.

⓯. RJ45: Ethernet jack.

Remote Control

The remote control is using Infra-Red(IR). Point it towards the front of the LCD TV. The remote control may not work correctly if it is operated out of range or out of angle.



POWER: Turn the TV on/standby.

MUTE: Press to mute the sound, press again or press VOL+ to unmute.

AUDIO: Change audio language of DYV/ATV/Blu-ray.

SUBTITLE: Turn on/off the subtitle display in DTV mode and DVD mode.

POP-MENU / TITLE

- BD: Display the top menu.
- DVD: Display the title menu.

MEDIA CENTER: Turn on/off meoia center.

BONUS VIEW: Turn on or off the secondary video in a small screen window during play (applicable only to BD-video that supports the BONUSVIEW or Picture-In-Picture feature).

2nd AUDIO: Open 2nd Audio of 2nd video (PIP's sub-window video)

RECORD: Press to start record the program in DTV mode.

- : Load/eject disc.
- : Stop play.
- : Previous chapter.
- : Next forward.
- : Pause play.
- : Start play.
- : Fast reverse.
- : Fast forward.

INPUT: Press to display the input source menu.

LIST: Recorded program list.

MENU: System setup menu.

EXIT: Exit the OSD menu.

0-9: Choose channel directly.

Cursor left/right/up/down: Cursor buttons used in menus.

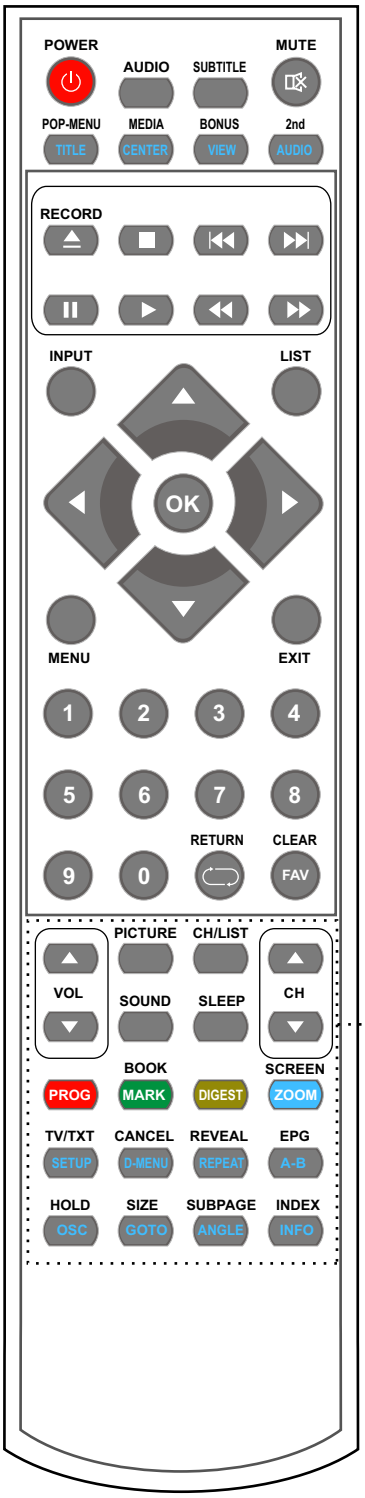
OK: CONFIRM BUTTON for menu.

: Return to the previous channel viewed.

FAV: Display the favourite program list.

CLEAR: Clear the favourite program list.

Remote Control



VOL ▲/▼: Adjust the volume.
CH▲/ ▼ : Scan through channels.
PICTURE: Select the picture mode.
CH/LIST: Display the channel list.
SOUND: Select the sound mode.
SLEEP: Standby timer.
BOOK MARK: Record any play period during playback.
SCREEN: Turn on/off the screen.
TV/TXT: Turn off/on the Teletext display.
CANCEL: Cancel the Teletext display.
REVEAL: Reveal any hidden text.
EPG: To show the Electronic Program Guide during no-menu state only in DTV mode.
HOLD: Hold or carry on the current subpage.
SIZE: Press to see top half of page double size, Press again to see the bottom half og page double size, Press again for normal size.
SUBPAGE: For example to go directly to subpage 4: press SUBPAGE, then 0,0,0,4; press SUBPAGE again to cancel subpage mode.
INDEX: Go to index.
Colour buttons: short cuts-follow the coloured links in the text.

PROG: Edit the program and play.
DIGEST: Enter digest mode.
ZOOM: Adjust picture size in DVD mode.
SETUP: DVD system setup.
D-MENU: DVD play list/Disc menu.
REPEAT: Repeat playing the title or chapter
A-B: Press A-B can repeat playback of a user defined section.
OSC: To access On Screen Control menu.
GOTO: Play your favorite title/chapter/track.
ANGLE: Select DVD picture angle.
INFO: Display brief information concerning the current channel you are view.

Basic Operation

Power on/off

1. Connect to the power supply with the power cord.
2. -To turn on the TV
   Press **POWER/** button on the TV or remote control.
   -To turn off the TV
   Press **POWER/** button on the TV or remote control.

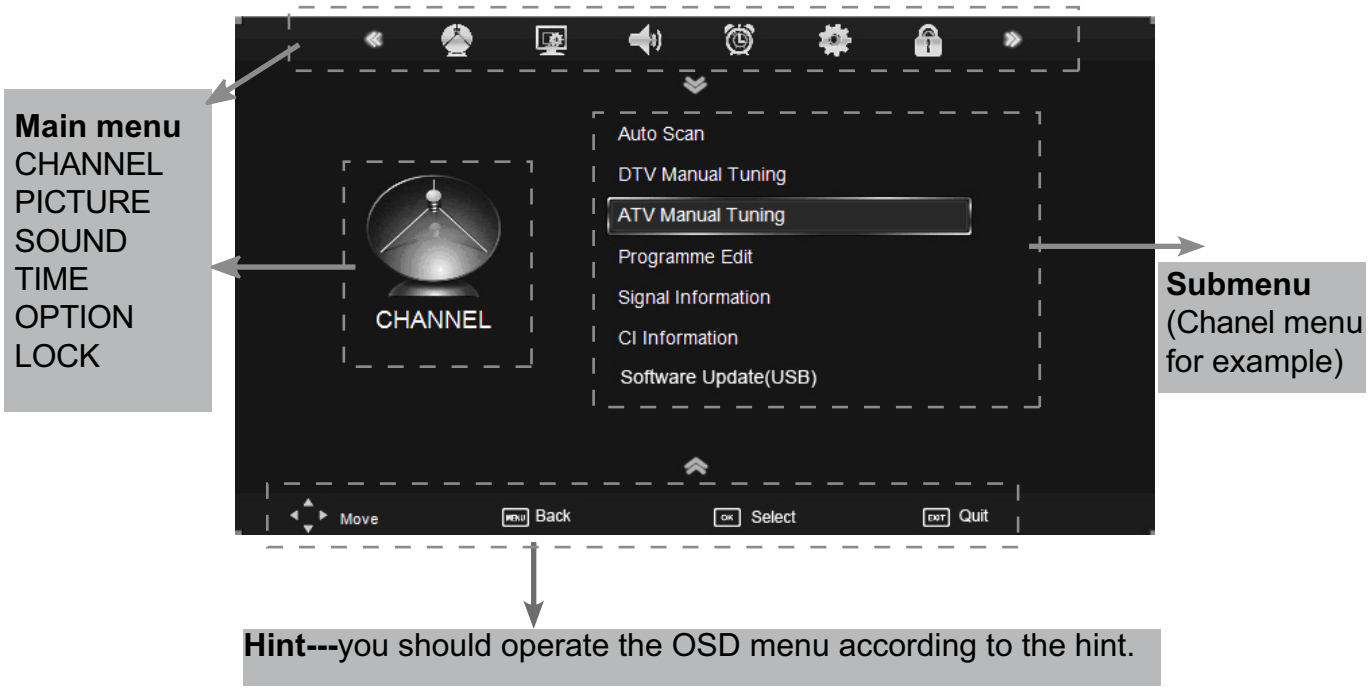
Input Source select

Press **INPUT** button on the TV set or remote control to display input source menu, and use **CH+/-** button on the TV set or ∧/∨ button on remote control to select the input source, press **OK** button on the remote control to enter.

Note: Before you select the input source, make sure the connections are prepared.

Basic OSD Menu operation

Press **MENU** button to display the OSD menu as below:

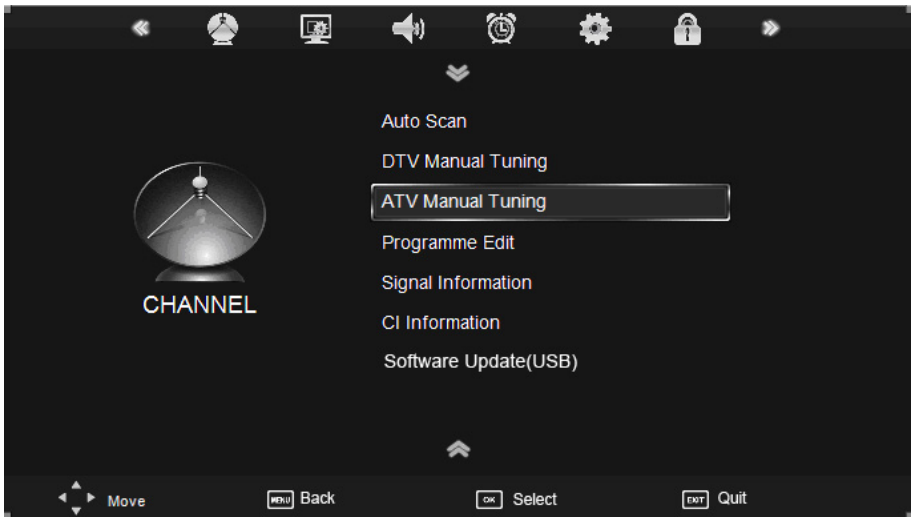


Use < / > button to select the main menu, and press ∨ button to enter the submenu.
In the submenu, use ∧ / ∨ button to select the function item, press < / > button to adjust/setup, or press **OK** button to enter the submenu.
* (Press **MENU** button to return to the upper menu.)
* (Press **EXIT** button to exit the menu display.)

Note1: Only when you input the suitable signal, the relevant items can be activated
Note2: Please operating the OSD menu according to hint on the bottom of the banner.

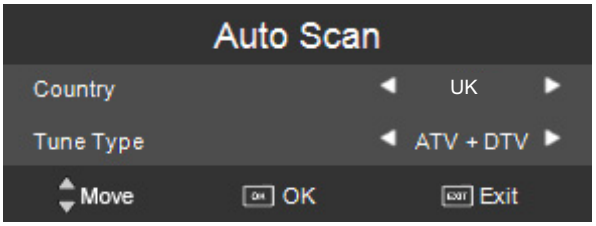
OSD Menu

1. CHANNEL menu

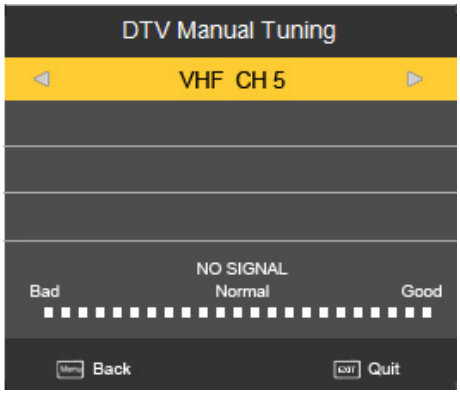


Description

Auto Scan
Press **OK** button to enter the hint menu, and select the Country and Tune Type mode for the TV, then press **OK** button to start auto tuning.

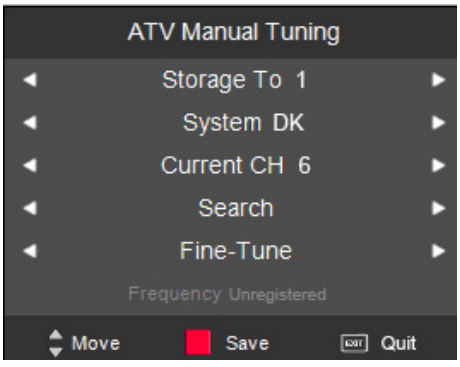


DTV Manual Tuning
Press **OK** button to enter the DTV Manual Tuning menu, select a DTV channel, and press **OK** button to start searching.



ATV Manual Tuning
Press **OK** button to enter the ATV Manual Tuning menu.

Storage To: Select a position for storing the program.
System: Select a TV system for searching.
Current CH: Select the channel you want to manual tuning.
Search: Press < / > button to manual search.
Fin-Tune: Press < / > button to fine-tune.
Frequency: Display the current frequency.

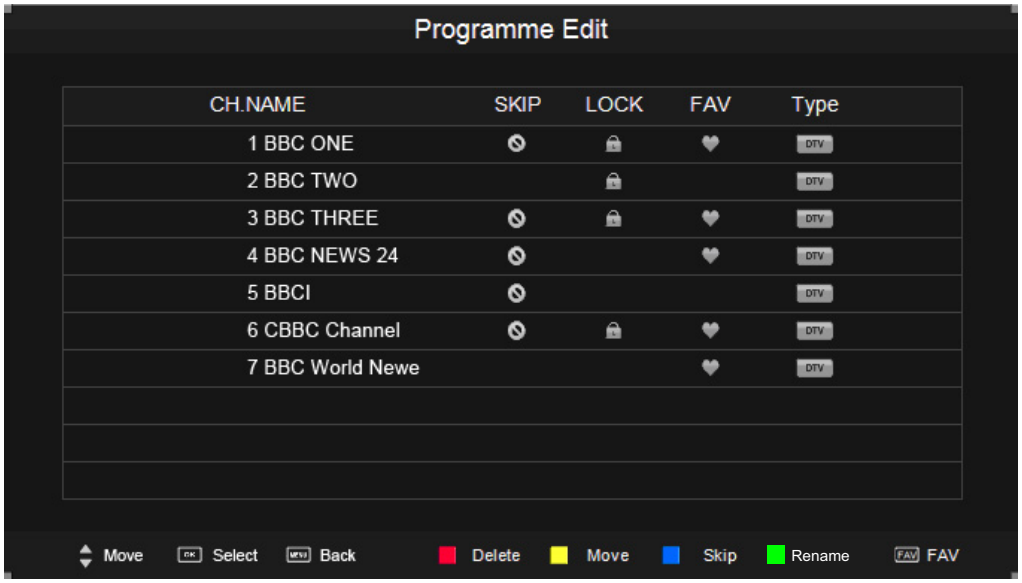


*Note: Press **RED** button to save all the setups you have changed.*

OSD Menu

Programme Edit

Press **OK** button to enter the Program Edit menu as the following picture.



Delete: Select a channel and press **RED** button, “Delete” will appear on the right of the program edit menu next to the channel you have chosen, then press **RED** button again, the program will be deleted. However if you decide not to continue to delete press the menu button to quit.

Move: Select an channel, and press **YELLOW** button, then you can use ∧ and ∨ buttons to change the position of the program, press **YELLOW** again to confirm the change. Press menu to exit and it will automatically save the current set.

Skip: Select a channel and press the **BLUE** button to label the channel, as long as the channel has a skip label it will be skipped when searching through the channels with the CH+/- buttons.

Rename: Select an **ATV** channel and press the **GREEN** button to change the name of the channel by ∧ ∨ < > buttons

FAV: Select a program, press **FAV** button to set or delete the program as the favorite channel.

Signal Information

Display the signal information in DTV mode.

CI Information

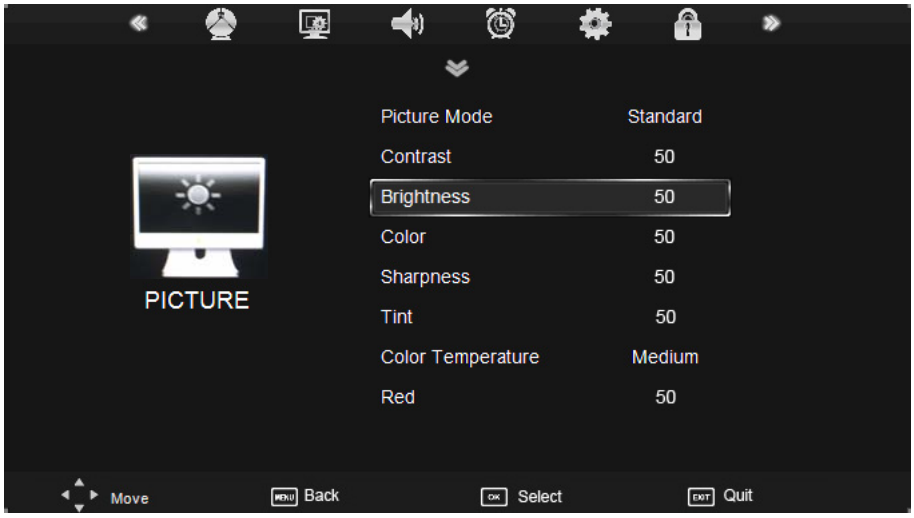
Please contact your “pay perview” provider who can supply a viewing card and cam unit with instructions for their use.

Software Update(USB)

Press **OK** button to enter the menu, and update the software by the USB device.

OSD Menu

2. PICTURE menu



Description

Picture Mode: Choose from Standard, Dynamic, User and Mild.
Note: Contrast, Brightness, Color and sharpness are only available and can be adjusted in the User mode option in the Picture Mode Settings.
Contrast: Controls the difference between the brightest and darkest regions of the picture.
Brightness: Controls the overall brightness of the picture.
Color: Control the color.
Sharpness: Increase this setting to see crisp edges in the picture; decrease it for soft edges.

Tint: Controls the tint (NTSC mode only).

Color Temperature: Choose from Medium, Cool, User and Warm.

Red: Controls the red colour of the picture.
Green: Controls the green colour of the picture.
Blue: Con trols the blue colour of the picture.

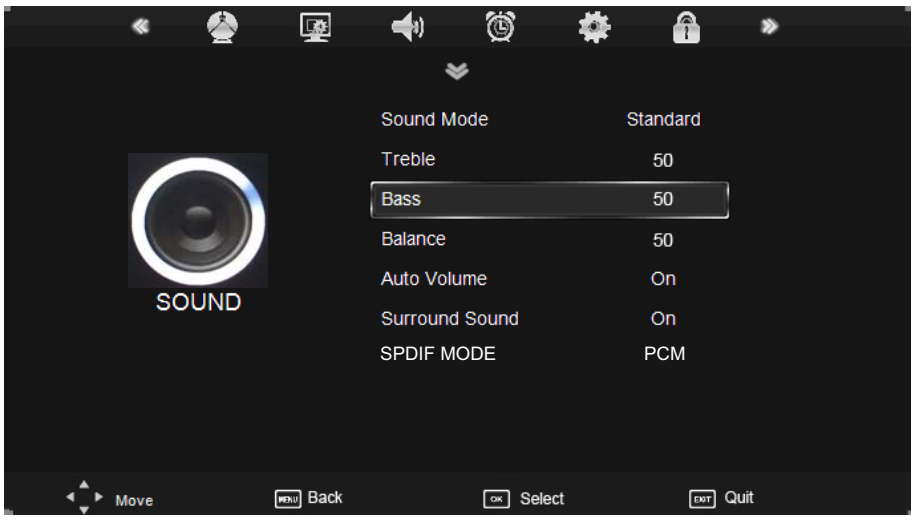
Aspect Ratio: Choose from 4:3, 16:9, Zoom1, Zoom2, Just Scan and Panorama.
Note: The aspect ratio modes you can select according to the input source.

Noise Reduction: Choose interference noise modes form Off, Low, Middle, High and Default.

Screen(PC mode only): Press **OK** button to enter the submenu to adjust Horizontal / Vertical position, Size or Phase of the picture.

OSD Menu

3. SOUND menu



Description

Sound Mode: Allows you to select among: Standard, Music, Movie, Sports and User.

Treble(Could be adjusted when the sound mode is User)**:** Controls the relative intensity of higher pitched sounds.

Bass (Can be adjusted when the sound mode is set to User): Controls the relative intensity of lower pitched sounds.

Balance: To adjust the balance of the left and right sound track, or turn off the volume of the left and right sound track.

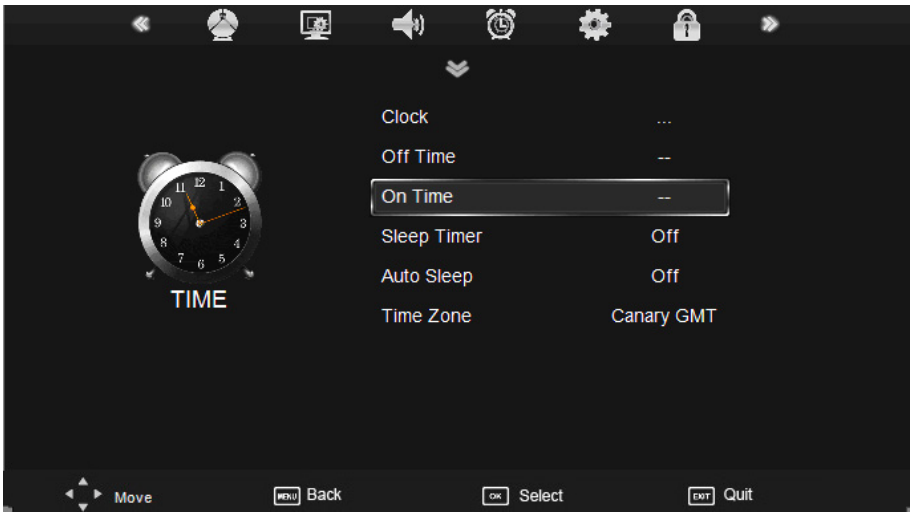
Auto Volume: Control the volume of the program automatically when you turn on the function by selecting “On”.

Surround Sound: Turn on/off the surround sound function by selecting “off”/“surround”.

SPDIF MODE: Allows you to select among: Off, PCM and Auto.

OSD Menu

4. TIME menu



Description

Clock: Use the ＜ and ＞buttons to select the position, and use the ∨ and ∧ buttons to set the time.

Note: User can not change time manually during DTV mode, for time is from signal source directly.

Off Time: Press **OK** button to enter the submenu, you could set the time when the TV set will be turned off automatically, you could also set the frequency.

On Time: Press **OK** button to enter the submenu, you could set the time when the TV set will be turned on automatically, you could also set the frequency, volume and program.

Sleep Timer: Allows you to setup the sleep timer among: 10min, 20min, 30min, 60min, 90min, 120min,180min, 240min and off.

Auto Sleep: Turn on/off the auto standby function.

Time Zone: Allows you to select the time zone.

OSD Menu

5. OPTION menu

Description

OSD Language: Allows you to select menu language.

Audio Language 1st/2nd (can be selected in DTV mode): Allows you to select first and second audio language.
Subtitle Language 1st/2nd (can be selected in DTV mode)**:** Allows you to select first and second subtitle language.

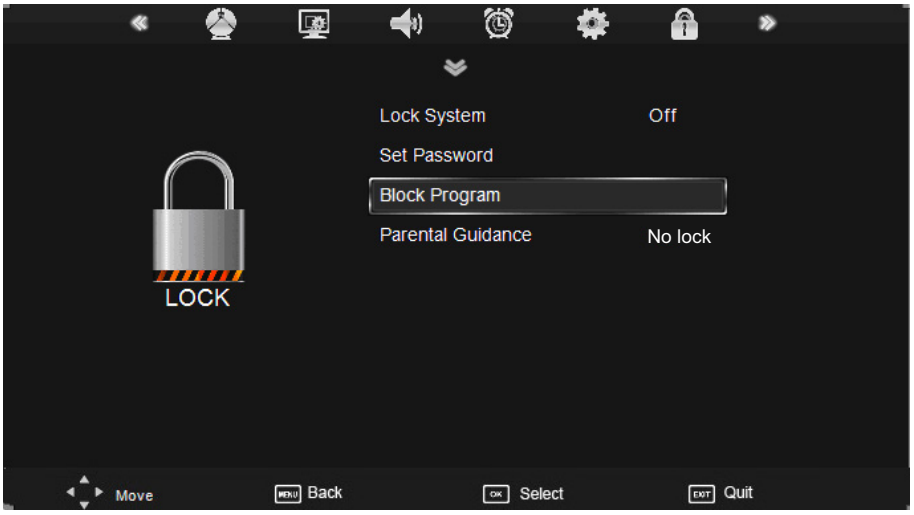
OSD Duration ：Allows you to setup the time of the menu display on the screen among: 5s, 10s, 15s, 20s, 25s, 30s, 35s, 40s.

Country: Display the current Country, and you should select the Country when you want to auto tuning.

Restore Factory Default: Press **OK** button to restore factory default.

OSD Menu

6. LOCK menu



Description

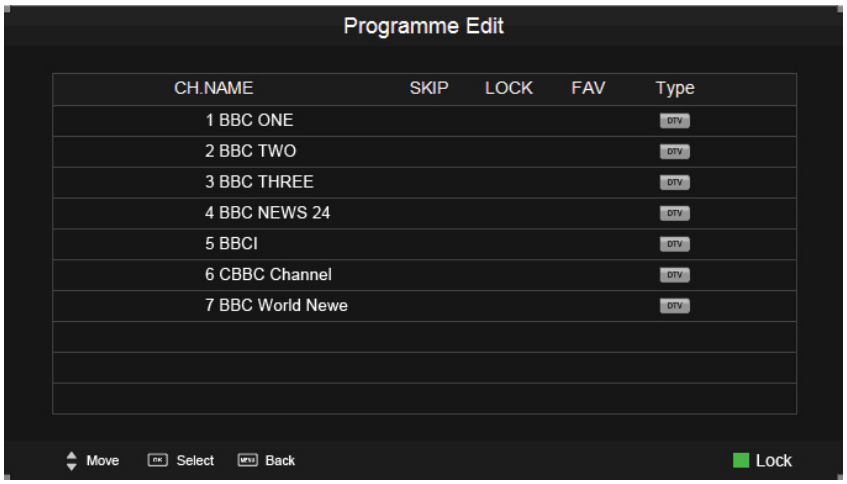
Lock System: Turn on/off the Lock System function.
Note: You should enter the code to operate the menu.(original code is 0000)

Set Password: Set pin code. If the Pin code has been changed you must enter the present code.

New : Enter the new password.

Confirm: Enter the new password.

Block Program: Lock the channel, you have to enter the code to view the channel. Use ∧ and ∨ buttons to select the channel, and press the **GREEN** button on the remote control to lock the channel or canel.

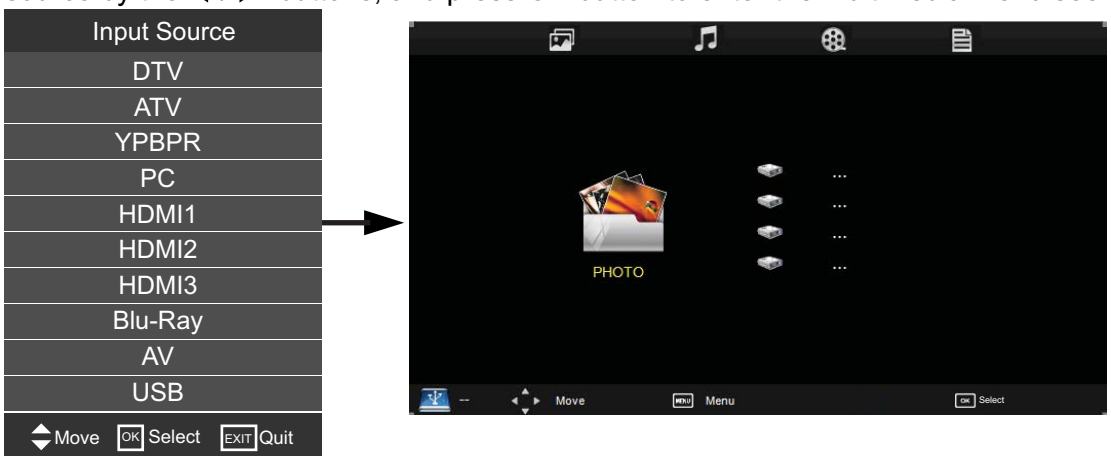


Parental Guidance: Allows you to select the Parental Guidance mode.

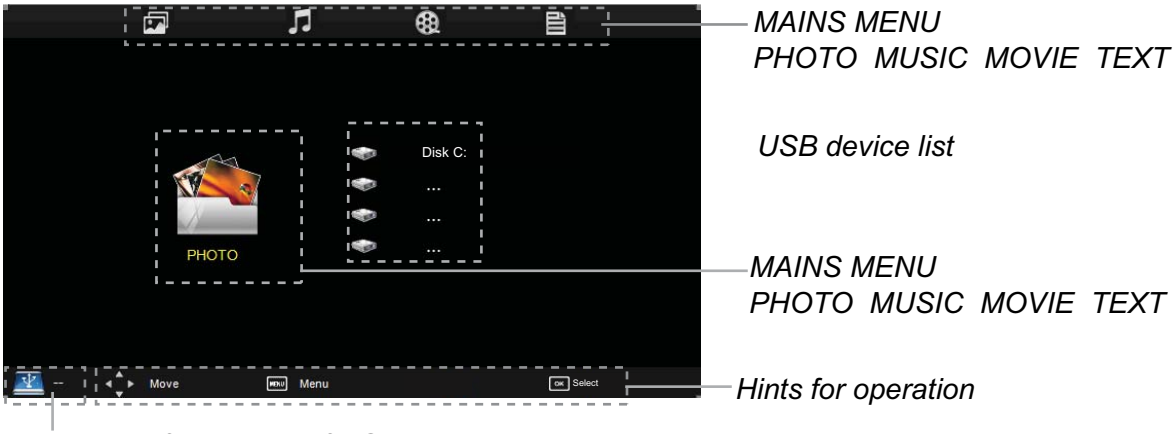
Multimedia Operation

Basic Operation

1). Press the SOURCE button on the remote control to display the input source menu, select USB source by the ◀ / ▶ buttons, and press OK button to enter the Multimedia menu seen below.



2). Insert USB device, you will find the name of the device display on the screen.



3). Press ＜/＞ button to select the kind of the files in the device you want to program from PHOTO, MUSIC, MOVIE and TEXT. Press ∧/∨ button to select the device and press OK button to enter.

Press ＜/＞/ ∧/∨ buttons to move , and press OK button to select the file or unfold the folder, Then press ▶ button to play the files (be signed) you select or the files in the fold you select, You can display the option table on the bottom of the screen by **OK** button, press ■ button to hide. Press ■ button to stop and exit the full screen program.

Multimedia Operation

1. Photo

Play the photo

Press ＜/＞ button to select the option on the table, and press **OK** button to change.

Repeat: Select the repeat mode from Repeat All, Repeat 1, Repeat None.
Music: Play/pause the music program (you can only play or pause the music you have programed).
Playlist: Display the playlist on the screen, and you can select the photo by ∧/∨ button, and press **OK** button to program. Press ＜/＞ button to return to the options table.
Info: Display the information of the photo.
Rotate: Rotate the photo clockwise/counterclockwise.
Zoom Out/In: Zoom out/in the photo.
Move View: Move the photo in Zoom in mode.

2. Music

Play the music

Press ＜/＞ button to select the option on the table, and press **OK** button to change.
Press ∧/∨ button to select the music, and press **OK** button to program.

Repeat: Select the repeat mode from Repeat All, Repeat 1, Repeat None.
Search: Program the music form the time you set.
Press **OK** button to display the time table, and select the position by ＜/＞/ ∧/∨ button, set the time by the number buttons, select “OK” and press OK button to search.
Screen Saver: Press **BLUE** button to enter the Screen Saver mode, press again to exit.

Multimedia Operation

3. Movie

Play the movie

Press </> button to select the option on the table, and press **OK** button to change.

Repeat: Select the repeat mode from Repeat All, Repeat 1, Repeat None.
Set A-B: Select and play the preferable paragraph of the program by seting A and B at the beginning and end, and there will be a sign on the left screen, press **OK** button again to cancel.
Playlist: Display the playlist on the screen.
Info: Display the information of the movie.
Slow: Play the programs at slow speed, press ▶/play button to cancel.
Step: Step the programs by **OK** button, press ▶/play button to cancel.
Goto Time : Program the movie form the time you set.
Zoom out/in: Zoom out/in the movie screen.
Aspect Ratio: Select the aspect ratio of the screen display.
Move View: Move the photo in Zoom in mode.

4. Text

Play the text

Press </> button to select the option on the table, and press **OK** button to change.

Prev/Next page: Turn to previous/next page of the text.
Prev./Next: Turn to previous/next file.
Stop: Stop auto turning pages.
Music: Play/pause the music program.
Playlist: Display the playlist on the screen.
Info: Display the information of the text.

Recording Operation

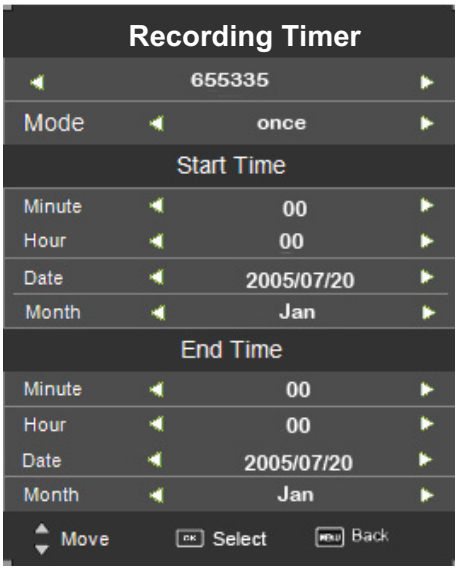
PVR settings

Press the MENU button, and select CHANNEL menu.

1). Recorded List

Display the recorded list
Recorded list: Display the Recorder List menu,
and changed the mode of program.
INFO: Display the information of the program you recorded.
RED button: Delete the program you select.

2). Recording Timer

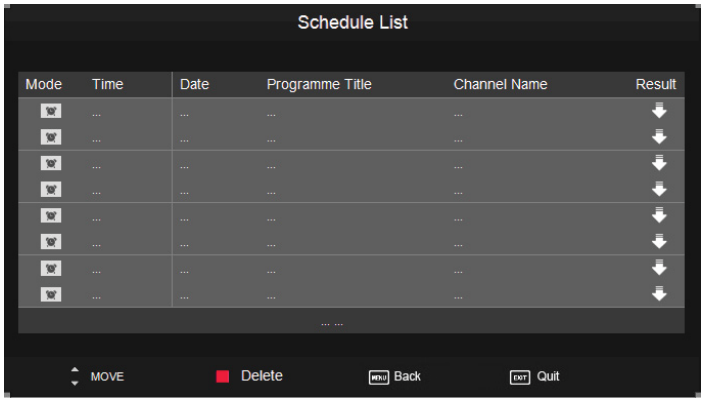


Set the Recording Timer
The TV will record the program automatically according to your settings.

TITLE: Display the name of the recording program.
MODE: Select the record mode.
Start Time: Set the start recording time.
End Time: Set the end recording time.
Press **OK** button to save the setting and exit the menu.

Recording Operation

3). Schedule List



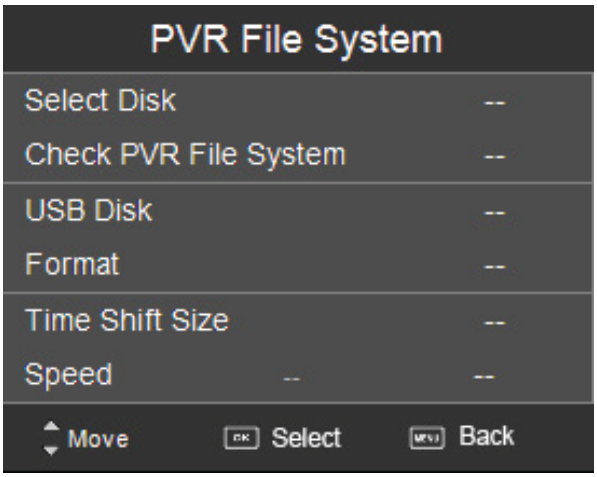
Display the recorder shedule

Note: a. Could't add shedules which have existent on the list;

b. Could't add shedules when the list is full, you have to delete some schedules;

c. You could delete a schedules by RED button on the remote control.

4). PVR File System



Setup the PVR File system before you start recording.

Select Disk: Select the device for the Record files.

Check PVR File System

USB Disc: Display the USB state.

Format: Format the USB device for PVR operating.

Time Shift Size: Display the size of the USB device (The device has been formated).

Speed: Display the speed of the USB device (The device has been formated).

Recording Operation

5) Record Start

When you finish the settings above, you could start recording by select **Record Start** in the menu and press OK button in DTV mode. (You can also start recording by press the button on the remote control)

Record buttons

Recording: Press to enter the recording mode.

II **PAUSE:** Press to enter the timeshift mode.

Recording list: Press to display the recording list.

■ **Stop:** Press to stop recording.

Recording menu

When you press REC button, the screen will display the recording menu as below:

Full mode

Simple mode

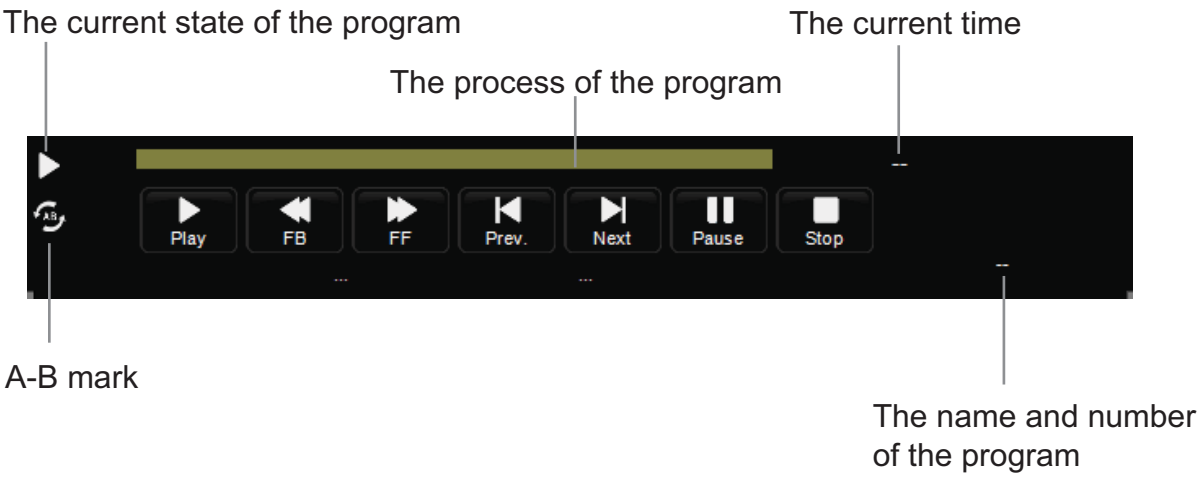
Note: a. You could change the mode of Recording menu by Exit button.
b. Press STOP button to exit the recording mode.
c. Press PLAY button to play the program you are recording from the beginning.
d. Press Recording list button to display the Recorder list, and you could play the program you selected. The recording will be going on, and the Recording menu will display when you exit the Recorder list.

Timeshift

Press PAUSE button to enter the Timeshift mode, and the picture will be paused, the recording will begin.

Note: a. You could change the mode of Timeshift menu by Exit button.
b. Press STOP button to exit the Timeshift mode.
c. Press PLAY button to play the program you are recording from the beginning.

Playback



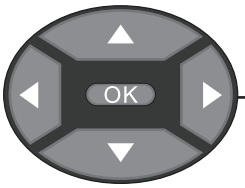
Blu-Ray Disc Player

Use the SETUP menu

Press **SETUP** to display the SETUP menu on the TV.

Navigate the menu

When a menu is displayed, press the buttons on the remote control to navigate through it.



- Move up or down.
- Move left or right.
- Confirm a selection.

Select menu display language

1. Select **[General Settings]** in the **SETUP** menu.
2. Press ▲ / ▼ to select **[Language]** in the menu
3. Press ▶ to select **[OSD]**, and press ▶ again to enter the select menu, then you can select the language you want.
4. Press **ENTER** to confirm.

Blu-Ray Disc Player

Play a disc

Caution

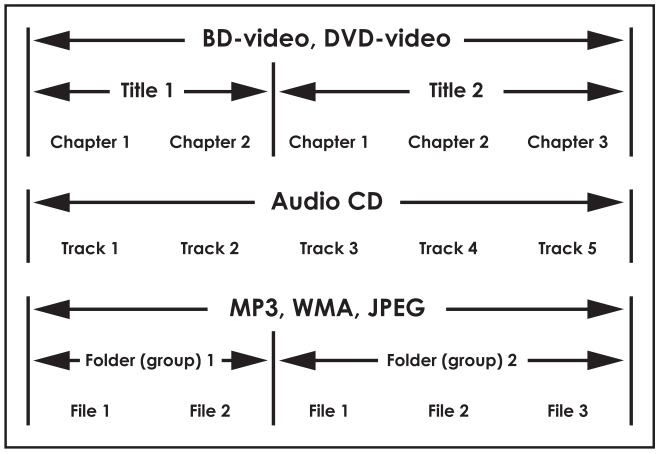
- Do not place any objects other than discs into the disc compartment.
- Do not touch the optical disc lens inside the disc compartment.

Note

- Before playing a disc, check the types of discs sup-ported.
- If the password entry menu is displayed, enter the password before you can play the locked or restricted disc.

Disc content structure

The structure of a disc content is generally divided as shown below.



- **[title/chapter]** (title/chapter) refers to the contents on a BD/DVD.
- **[track]** (track) refers to the contents on an audio CD.
- **[folder/file]** (folder/file) refers to the contents on a disc in MP3/WMA/JPEG format.

Play video

Control video play

1. Play a title.
2. Use the remote to control the play back.

Blu-Ray Disc Player

Buttons	Action
⏸	Pause play.
▶	Start or resume play.
■	Stop play.
⏮ ⏭	Skip to a previous/next title or chapter.
◀◀ ▶▶	Search fast-backward or fast-forward. Press repeatedly to change the search speed.

Note

- For BD disc with Java application, the resume function is not available.

Display menu

BD-video disc:

MENU stops the video playing and returns to the disc menu. This feature is disc-dependent.

MENU will access the BD-video disc menu without interrupting disc play.

DVD-video disc:

MENU will display the root menu of a disc.

TITLE will display disc information and guide you through the available functions on the disc.

Change video play

Button	Action
AUDIO	Selects an audio language or channel on a disc.
SUBTITLE	Select the subtitle language on a disc.
REPEAT	Select or turn off repeat or shuffle mode. • Repeat options may vary from the disc type.
DISPLAY	Display the current status or disc information.
ZOOM	Zoom in/out of the video image.
RANDOM	Selects the Random->Normal mode.
BOOK MARK	Bookmark the selected point during playback.
A-B	When a disc is playing, pressing this button once will save a “start point” for repeating playback. Pressing this button again will save an “end point” for repeated playback. Playback will repeat from the start point to the end point. • The marked section for repeat play should be in one track/title.

Blu-Ray Disc Player

Button	Action
PROGRAM	Edit the program and play.
GOTO	Jump to a user specified time during playback.
BONUS-VIEW	Turn on or off the secondary video in a small screen window during play (applicable only to BD-video that supports the BONUSVIEW or Picture-In-Picture feature).
2nd AUDIO	Switch over the audio displaying between the main window or PIP window.
OSC	Access options relating to the current activity or selection, and control the video play back.

Note

- Some operations may not work with some discs. See the information accompanying the disc for details.

Playing a Blu-ray video disc

Blu-ray video discs have larger capacity and support features such as high-definition video, multichannel surround sound, interactive menus and so on.

1. Insert a BD-video disc.
2. Playback will automatically start, or select a play option in the menu and press **OK.**
3. During playback, you can press **MENU** to display additional information, features or content stored on the disc.
4. During playback, you can press **MENU** to display the disc menu without interrupting disc play.

Enjoying BONUSVIEW content

(Applicable only to a disc compatible with the BONUSVIEW or Picture-in-Picture feature) You can instantly view additional content (such as commentaries) in a small screen window.

(A) Primary video
(B) Secondary video

1. Press **BONUSVIEW** to turn on the secondary video window.
2. Press **AUDIO** to switch over the audio between main Playback window and PIP window.

Blu-Ray Disc Player

Enjoy BD-LIVE

You can enjoy the BD-Live functions which enable you to use interactive functions on the disc when the unit is c onnected to the Internet.

Example of BD-Live interactive functions:

1. Additional content (such as movie's trailer, subtitles and BD-Java, etc.) can be downloaded to a connected USB storage device.
2. Special video data may be played while being downloaded.
3. When a disc supporting BD-Live is played, the product or the disc's ID can be sent to the content provider via the Internet. Service and functions will differ depending on the disc.

Note

- The unit must be connected and set up to access Internet.
- Depending on the connection environment, it may take time to connect to the Internet.
- When BD-Live functions are used and the unit is connected to the Internet, your standard internet service provider charges will apply.
- Follow the instruction given by the disc when using the BD-Live function.
- It is recommended to use a USB storage device for download the content (at least 1GB free space is recommended.

Playing music

Controlling music playback

Use the remote control to control the playback for audio file.

Buttons	Action
⏸	Pause play.
▶	Start or resume play.
■	Stop play.
⏮ ⏭	Skip to a previous/next title or chapter.
1 2 3 4 5 6 7 8 9 0	Select an item to play.
◀◀ ▶▶	Search fast-backward or fast-forward. Press repeatedly to change the search speed.
REPEAT	Select or turn off repeat or shuffle mode.

Play MP3/WMA music

You player can also playback digital music files. MP3/WMA are types of highly compressed audio file (files with mp3 or wma extensions).

1. Insert a disc that contains MP3/WMA file.
2. Select a music folder, then press **OK** .
3. Select a file to play, then press **OK** .

Note

- Press **MEDIA CENTER** to display the file list.

Blu-Ray Disc Player

Note

- For discs recorded in multiple sessions, only the first session will be played.
- This player cannot playback WMA files that are protected by Digital Rights Management (DRM),
- This product does not support the MP3PRO audio format.
- Special characters present in the MP3 track name (ID3) or album name, it might not be displayed correctly
  on the screen as these characters are not supported by the player.
- Folders/files that exceed the supported limit of this product cannot be displayed or played.

Playing a photo slideshow

Play photos as slideshow

You can play JPEG photos (files with .jpeg or .jpg extensions) on the player as a slideshow.

1. Insert a disc or USB device that contains the JPEG photos.
2. Select a photo folder, then press **OK** to open.
   - To select a photo, use the **Navigation** buttons.
   - To enlarge the selected photo and start slideshow, press **OK.**

Note

- It may require longer time to display the disc content on your TV if there are a large number of songs/photos compiled onto one disc.
- This product can only display digital camera pictures in the JPEG-EXIF format, typically used by almost all digital cameras. It cannot display Motion JPEG, or pictures in formats other than JPEG, or sound clips as sociated with pictures.
- Folders/files that exceed the supported limit of this product cannot be displayed or played.

Controlling photo slideshow

1. Begin a photo slideshow.
2. Use the remote control to control the play as follows.

Buttons	Action
◀ ▶	Rotate a photo anticlockwise/clockwise.
▲ ▼	Flip a photo horizontally/vertically.
■	Stop play.

Note

- Some operations may not work with all discs or files.

Set slideshow interval and animation

1. During slideshow playback, press **OSC**. The options menu will be displayed.
2. Navigate the options with the **Navigation** button.
3. Select an option in the menu, then press **OK**.
4. Press **OK**.

Blu-Ray Disc Player

Playing music during a photo slideshow

Create a musical slideshow to play both MP3/WMA music files and JPEG photo files simultaneously.

Note

- To create a musical slideshow, you must store the MP3/ WMA and JPEG files on the same disc as the photos.

1. Select your MP3/WMA music to play and start playback.
2. Press **Media Center** to return to the main menu.
3. Navigate to enter a photo folder, then press **OK** to start slideshow play.
   - Slideshow begins and continues till the end of the photo folder.
   - Audio continues to play until the end of the disc.
   - To stop the slideshow play, Press ■.
   - To stop the music play, press ■ again.

Note

- If the setup option is grayed out, it means the setting cannot be changed at the current state.

Basic operation for the menu

1. Press **BD-SETUP.**
2. Select a main menu by ◄ ►.

3. Select the menu you want to setting by ▲▼, and press ►.
   - You can press ▲ to return to mains menu.

4. Select the option by ▲▼, and press ► .
   - You can press ▲ to return to the previous menu.

Blu-Ray Disc Player

5. Select by ▲▼ , and press **OK** to confirm.
   - You can press ◀ to return to the previous menu.
6. To return to the mains menu from any submenu, press ↩ (**RETURN).**
7. To exit the menu, press **BD-SETUP.**

General Player Settings

System

1. **Disc Auto Playback:** Turns the disc auto playback function on/off.
2. **Load Default:** Return the player to its default settings.
3. **Upgrade:** select this when you want to upgrade your player software to the latest version.
4. **BUDA:** Define memory for BD-Live.

Blu-Ray Disc Player

Language

1. **OSD:** Selects the OSD language.
2. **Menu:** Selects the menu language of the disc.
3. **Audio:** Selects the audio language for the program.
4. **Subtitle:** Selects the subtitle language for the program.

Note

- You have to select the audio and subtitle language according to the requirements on the disc.

Playback

1. **Angle Mark:** Turn the Angle Mark function on/off
2. **PIP Mark:** Turn the PIP Mark function on/off.
3. **Secondary Audio...:** Turn the secondary audio language selects on/off.
4. **PBC:** PBC ON/OFF.

Security

Blu-Ray Disc Player

1. **Change Password:** Changes the password for parental control menu.
2. **Parental Control:** select this to set the parental control.
3. **Country Code:** Select the Country code.

Note

- The original code is 0000. The code can be changed by user.

Network

- Connect this product to a broadband modem or router.
- This player will start to detect if there is a connection to the network.
- If the connection test fails, select [Retry] and press ENTER to try and re-connect to the network again.

1. **Internet Connection:** Displays the internet connection state.
2. **Information:** Displays information of the current Network.
3. **Connection Test:** Tests the internet connection state.
4. **IP Setting:** Sets the IP for the player.
5. **BD-Live Connection:** Connection situation of BD-Live.
6. **Proxy Setting:** Setup proxy server.

Display Setting

TV

Blu-Ray Disc Player

TV Screen: Selects the display mode for the TV.

Audio Setting

1. **Spdif:** Selects the spdif mode.
2. **HDMI:** Selects the HDMI mode.
3. **Down_samp:** Selects down_samp.
   (Select this when the Amplifier connected to the player is not 96KHz compatible. 96 KHz signals will be down converted to 48KHz)
4. **DRC(Dynamic range compression):** Selects the DRC mode

Blu-Ray Disc Player

Update software

For software updates that can enhance your players performance, check the current software version of your players with the latest software (if available) .

1. Press **BD-SETUP**.
2. Select [General Setting], then press ▶ .
3. Select [System] > [Upgrade], then press **OK** .

Update software via USB

1. Download the software onto a USB flash drive.
2. Insert the USB flash drive to the USB jack of the rear panel.
3. In the SETUP menu, select [General Setting] >[System]>[Upgrade] >[USB Storage].
4. Follow the instructions on the TV screen to confirm the update operation.
5. Once the software update is complete, this product automatically switches into standby mode.
6. Disconnect the power cord for a few seconds; reconnect and turn on this player.

Note

- To prevent possible damage of this product do not turn off the power or remove the USB flash drive while the software update is in progress.

Trouble shooting

- Do not use other functions that are not mentioned in this user's manual.
- In case a problem occurs with your TV, please take the following steps first.
- If you still have the problem, turn the power off and contact your dealer or an authorized service center.

Problem	Action
The screen does not appear.	Is the power plug pulled out? Insert the power plug. Press the power button of the remote control.
The screen appears too slowly after the power is turned on.	This problem occurs for a brief time in the process of image elimination processing in order to hide temporary screen noise that occurs when the power is turned on. But if the screen does not come after 1 minute contact your dealer or an authorized service center.
Screen is too bright or too dark.	Perform brightness adjustment or Contrast adjustment.
Screen is too large or too small.	Adjust the screen size.
Stripes appear on the screen and it shakes.	Stop using wireless telephones, hair driers and electric drills.
The screen does not move.	Press the PAUSE button. Check if the Pause button is pressed on external equipment.
Screen appears, Voice is not heard	1. Press the "MUTE"button. 2. Increase the sound level by pressing volume adjustment button. 3. Check if sound terminal of external input is connected properly. 4. Check if audio cables are connected properly. 5. Select and check the other input. If the sound still does not work and the other channels are the same after you have done as the above, contact your dealer or an authorized service center.
Remote control does not work	1. Check if main power is On. 2. Check that the batteries of the remote controller were loaded properly. 3. Check to see if any obstacle exists between the TV and the remote control , then remove it, if any. 4. If the batteries have no power, replace them with two new batteries.

- This TV is for household use and registered as harmless on electromagnetic waves.
- Therefore, you can use it in every location as well as residential areas.

Specifications

Techincal Specifications

TV

TVSystem	PAL BG/DK/I SECAM BG/DK
Screen size	32"(diagonal)
Resolution	1920x1080 pixels (RGB)
Aerial input	75 Ω (unbalanced)
Power Consumption	100-240V 50/60Hz 180W

ENGLISH
Instructions on environment protection

Do not dispose of this product in the usual household garbage at the end of its lifecycle; hand it over at a collection point for the recycling of electrical and electronic appliances. The symbol on the product, the instructions for use or the packing will inform about the methods for disposal.
The materials are recyclable as mentioned in this marking. By recycling, material recycling or other forms of re-utilization of old appliances, you are making an important contribution to protect our environment.
Please inquire at the community administration for the authorized disposal location.

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